

Storm Data and Unusual Weather Phenomena - October 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
WHITESIDE COUNTY --- 0.8 N FULTON [41.88, -90.17], 0.9 NNE FULTON [41.88, -90.16], 0.4 S FULTON [41.86, -90.17], 0.4 SW FULTON [41.87, -90.17]				
	10/02/10 13:20 CST		0	Flood (due to Heavy Rain)
	10/10/10 21:00 CST		0	Source: River/Stream Gage
The river rose above flood stage at Fulton LD13 on October 2 at 120 pm cst and fell below flood stage on October 10 at 900 pm cst. Minor flooding occurred with the crest reaching 17.66 feet on October 5 at 300 pm cst. Flood stage is 16 feet.				
ROCK ISLAND COUNTY --- 2.1 NE ROCK IS [41.52, -90.56], 2.1 NE ROCK IS [41.52, -90.55], 1.1 NNE ROCK IS [41.51, -90.57], 1.2 NNE ROCK IS [41.52, -90.57]				
	10/02/10 19:08 CST		0	Flood (due to Heavy Rain)
	10/12/10 21:00 CST		0	Source: River/Stream Gage
The river rose above flood stage at Rock Island LD15 on October 2 at 708 pm cst and fell below flood stage on October 12 at 900 pm cst. Moderate flooding occurred with the crest reaching 16.97 feet on October 6 at 900 pm cst. Flood stage is 15 feet.				
HENDERSON COUNTY --- 2.9 NW GLADSTONE [40.90, -91.01], 2.2 NW GLADSTONE [40.90, -90.99], 3.1 N LONE TREE [40.87, -91.03], 3.5 NNW LONE TREE [40.88, -91.04]				
	10/02/10 20:00 CST		0	Flood (due to Heavy Rain)
	10/16/10 04:30 CST		0	Source: River/Stream Gage
The river rose above flood stage at Gladstone LD18 on October 2 at 800 pm cst and fell below flood stage on October 16 at 430 am cst. Moderate flooding occurred with the crest reaching 12.33 feet on October 8 at 500 am cst. Flood stage is 10 feet.				
MERCER COUNTY --- 3.8 WNW NEW BOSTON [41.19, -91.07], 3.5 WNW NEW BOSTON [41.20, -91.06], 1.9 W NEW BOSTON [41.17, -91.04], 2.3 W NEW BOSTON [41.17, -91.04]				
	10/02/10 20:06 CST		0	Flood (due to Heavy Rain)
	10/14/10 03:00 CST		0	Source: River/Stream Gage
The river rose above flood stage at New Boston LD17 on October 2 at 806 pm cst and fell below flood stage on October 14 at 300 am cst. Moderate flooding occurred with the crest reaching 17.02 feet on October 7 at 700 am cst. Flood stage is 15 feet.				
MERCER COUNTY --- 2.4 WNW KEITHSBURG [41.12, -90.97], 2.2 NW KEITHSBURG [41.12, -90.96], 0.7 WSW KEITHSBURG [41.10, -90.94], 1.1 WSW KEITHSBURG [41.09, -90.95]				
	10/03/10 07:45 CST		0	Flood (due to Heavy Rain)
	10/13/10 15:40 CST		0	Source: River/Stream Gage
The river rose above flood stage at Keithsburg on October 3 at 745 am cst and fell below flood stage on October 13 at 340 pm cst. Minor flooding occurred with the crest reaching 15.39 feet on October 7 at 800 pm cst. Flood stage is 14 feet.				
ROCK ISLAND COUNTY --- 5.3 WNW ILLINOIS CITY [41.43, -90.99], 5.2 WNW ILLINOIS CITY [41.43, -90.99], 6.6 WNW ILLINOIS CITY [41.42, -91.02], 6.8 WNW ILLINOIS CITY [41.43, -91.03]				
	10/04/10 08:00 CST		0	Flood (due to Heavy Rain)
	10/10/10 23:30 CST		0	Source: River/Stream Gage
The river rose above flood stage at Illinois City LD16 on October 4 at 800 am cst and fell below flood stage on October 10 at 1130 pm cst. Moderate flooding occurred with the crest reaching 16.09 feet on October 6 at 700 pm cst. Flood stage is 15 feet.				
The runoff from very heavy rains that fell in southern and eastern Minnesota and western Wisconsin on September 22-23, 2010 flowed down the Mississippi River during late September and into the first half of October. Minor to moderate flooding occurred from Dubuque, Iowa southward to Gregory Landing, Missouri. Crests along this portion of the river were generally 2 to 3 feet above flood stage. At Dubuque the river rose above flood stage on September 29 and fell below flood stage on October 11. At Burlington the river rose above flood stage on October 2 and fell below flood stage on October 16. Interesting to note that this was only the 3rd or 4th time (depending on location) since 1862 that the Mississippi River has flooded during the fall season.				
HANCOCK COUNTY --- 0.5 E HAMILTON [40.40, -91.34]				
	10/23/10 16:30 CST		0	Hail (0.88 in)
	10/23/10 16:30 CST		0	Source: Trained Spotter
Trained spotter reported pea to nickel size hail just east of Hamilton.				

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<p>Low pressure in the central plains had a warm front draped across southern Iowa and into western Illinois on October 23, 2010. A strengthening low level jet and moist axis impinging on the front triggered a few thunderstorms during the late afternoon and evening. One thunderstorm near Hamilton in Hancock County produced pea to nickel size hail.</p>				
BUREAU COUNTY --- 0.7 N COAL HOLLOW [41.38, -89.37]				
	10/26/10 04:14 CST	0		Thunderstorm Wind (EG 53 kt)
	10/26/10 04:14 CST	0		Source: Law Enforcement
Law enforcement reported a tree down on Route 6 east of Princeton.				
BUREAU COUNTY --- 0.7 N OTTVILLE [41.36, -89.27]				
	10/26/10 04:32 CST	0		Thunderstorm Wind (EG 53 kt)
	10/26/10 04:32 CST	0		Source: Law Enforcement
Law enforcement reported a tree down near Ottville.				
BUREAU COUNTY --- 1.3 ENE DEPUE [41.33, -89.30]				
	10/26/10 04:32 CST	0		Thunderstorm Wind (EG 53 kt)
	10/26/10 04:32 CST	0		Source: Law Enforcement
Law enforcement reported a power pole down near Depue.				
BUREAU COUNTY --- ARLINGTON [41.47, -89.25]				
	10/26/10 04:32 CST	0		Thunderstorm Wind (EG 53 kt)
	10/26/10 04:32 CST	0		Source: Law Enforcement
Law enforcement reported a tree down at Arlington.				
BUREAU COUNTY --- 0.5 E LADD [41.38, -89.21]				
	10/26/10 04:41 CST	0		Thunderstorm Wind (EG 53 kt)
	10/26/10 04:41 CST	0		Source: Law Enforcement
Law enforcement reported a power pole down near Ladd.				
CARROLL COUNTY --- 0.7 S THOMSON [41.96, -90.10]				
	10/26/10 04:46 CST	0		Thunderstorm Wind (EG 53 kt)
	10/26/10 04:46 CST	0		Source: Law Enforcement
Law enforcement reported a tree down just south of Thomson.				
CARROLL COUNTY --- 0.9 SW CHADWICK [42.01, -89.89]				
	10/26/10 05:05 CST	0		Thunderstorm Wind (EG 52 kt)
	10/26/10 05:05 CST	0		Source: Law Enforcement
Law enforcement reported power lines down near Chadwick.				
CARROLL COUNTY --- 0.5 W SHANNON [42.15, -89.74]				
	10/26/10 05:18 CST	0		Thunderstorm Wind (EG 52 kt)
	10/26/10 05:18 CST	0		Source: Law Enforcement
Law enforcement reported power lines down near Shannon.				
<p>A large low pressure system moved into the region and continued to deepen as it moved across Minnesota, becoming the most intense storm on record in the Midwest on October 26, 2010. A squall line formed in the highly sheared warm sector ahead of a strong cold front associated with the intense system. This line of storms swept rapidly eastward across extreme eastern Iowa into Illinois during the early morning hours. There were some reports of trees and power lines down from the thunderstorms across northwest Illinois, with wind gusts around 60 mph.</p>				

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DUBUQUE COUNTY --- 0.8 NE DUBUQUE [42.51, -90.66], 1.5 ENE DUBUQUE [42.51, -90.64], 1.0 ESE DUBUQUE [42.49, -90.65], 0.7 SE DUBUQUE [42.49, -90.66]				
	10/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	10/11/10 19:15 CST		0	Source: River/Stream Gage
The river rose above flood stage at Dubuque on September 29 at 740 pm cst and fell below flood stage on October 11 at 715 pm cst. Moderate flooding occurred with the crest reaching 20.17 feet on October 3 at 530 pm cst. Flood stage is 17 feet.				
DUBUQUE COUNTY --- 3.0 NNE DUBUQUE [42.54, -90.65], 3.5 NNE DUBUQUE [42.54, -90.63], 3.0 NE DUBUQUE [42.53, -90.62], 2.2 ENE DUBUQUE [42.52, -90.63], 1.8 NE DUBUQUE [42.52, -90.65]				
	10/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	10/09/10 03:48 CST		0	Source: River/Stream Gage
The river rose above flood stage at Dubuque LD11 on September 30 at 1140 am cst and fell below flood stage on October 9 at 348 am cst. Moderate flooding occurred with the crest reaching 18.36 feet on October 3 at 300 pm cst. Flood stage is 16 feet.				
JACKSON COUNTY --- 2.9 W BELLEVUE [42.27, -90.43], 1.8 WNW BELLEVUE [42.28, -90.40], 1.4 SW BELLEVUE [42.25, -90.39], 3.0 SW BELLEVUE [42.24, -90.41]				
	10/02/10 01:10 CST		0	Flood (due to Heavy Rain)
	10/07/10 15:17 CST		0	Source: River/Stream Gage
The river rose above flood stage at Bellevue on October 2 at 110 am cst and fell below flood stage on October 7 at 317 pm cst. Minor flooding occurred with the crest reaching 17.97 feet on October 4 at 7 am cst. Flood stage is 17 feet.				
CLINTON COUNTY --- 2.5 SE LOW MOOR [41.80, -90.24], 1.8 SSW WEST CLINTON [41.80, -90.22], 3.6 SE LOW MOOR [41.78, -90.24], 3.1 SSE LOW MOOR [41.78, -90.25]				
	10/02/10 03:30 CST		0	Flood (due to Heavy Rain)
	10/12/10 18:15 CST		0	Source: River/Stream Gage
The river rose above flood stage at Camanche on October 2 at 330 am cst and fell below flood stage on October 12 at 615 pm cst. Moderate flooding occurred with the crest reaching 18.86 feet on October 5 at 3 pm cst. Flood stage is 17 feet.				
DES MOINES COUNTY --- 1.0 W BURLINGTON [40.82, -91.10], 0.6 W BURLINGTON [40.82, -91.09], 0.8 WSW BURLINGTON [40.81, -91.09], 1.1 SW BURLINGTON [40.81, -91.09], 1.2 SW BURLINGTON [40.81, -91.10]				
	10/02/10 16:45 CST		0	Flood (due to Heavy Rain)
	10/16/10 16:00 CST		0	Source: River/Stream Gage
The river rose above flood stage at Burlington on October 2 at 445 pm cst and fell below flood stage on October 16 at 400 pm cst. Moderate flooding occurred with the crest reaching 17.00 feet on October 8 at 530 pm cst. Flood stage is 15 feet.				
MUSCATINE COUNTY --- 1.3 ENE MUSCATINE [41.43, -91.03], 1.5 E MUSCATINE [41.42, -91.02], 0.6 SSE MUSCATINE [41.41, -91.05], 0.2 S MUSCATINE [41.42, -91.05]				
	10/03/10 14:20 CST		0	Flood (due to Heavy Rain)
	10/12/10 13:22 CST		0	Source: River/Stream Gage
The river rose above flood stage at Muscatine on October 3 at 220 pm cst and fell below flood stage on October 12 at 122 pm cst. Minor flooding occurred with the crest reaching 17.65 feet on October 6 at 930 pm cst. Flood stage is 16 feet.				
SCOTT COUNTY --- 3.3 W LE CLAIRE [41.60, -90.34], 3.0 W LE CLAIRE [41.60, -90.34], 3.0 W LE CLAIRE [41.59, -90.34], 3.3 W LE CLAIRE [41.59, -90.34]				
	10/03/10 15:00 CST		0	Flood (due to Heavy Rain)
	10/09/10 15:00 CST		0	Source: River/Stream Gage
The river rose above flood stage at Le Claire LD14 on October 3 at 300 pm cst and fell below flood stage on October 9 at 300 pm cst. Minor flooding occurred with the crest reaching 11.82 feet on October 6 at 7 am cst. Flood stage is 11 feet.				
The runoff from very heavy rains that fell in southern and eastern Minnesota and western Wisconsin on September 22-23, 2010 flowed down the Mississippi River during late September and into the first half of October. Minor to moderate flooding occurred from Dubuque, Iowa southward to Gregory Landing, Missouri. Crests along this portion of the river were generally 2 to 3 feet above flood stage. At Dubuque the river rose above flood stage on September 29 and fell below flood stage on October 11. At Burlington the river rose above flood stage on October 2 and fell below flood stage on October 16. Interesting to note that this was only the 3rd or 4th time (depending on location) since 1862 that the Mississippi River has flooded during the fall season.				

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CLINTON COUNTY --- CLINTON [41.83, -90.20]	10/26/10 04:35 CST		0	Thunderstorm Wind (MG 57 kt)
	10/26/10 04:35 CST		0	Source: AWOS

The AWOS site at Clinton measured a 65 mph thunderstorm wind gust at 435 am cst.

A large low pressure system moved into the region and continued to deepen as it moved across Minnesota, becoming the most intense storm on record in the Midwest on October 26, 2010. A squall line formed in the highly sheared warm sector ahead of a strong cold front associated with the intense system. This line of storms swept rapidly eastward across extreme eastern Iowa into Illinois during the early morning hours. There were some reports of trees and power lines down from the thunderstorms, with a 65 mph wind gust measured in Clinton, Iowa at 435 am cst.

(IA-Z068) SCOTT	10/26/10 07:05 CST		3K	Strong Wind (MAX 45 kt)
	10/26/10 07:05 CST		0	
(IA-Z042) DUBUQUE	10/26/10 13:20 CST		0	High Wind (MAX 52 kt)
	10/26/10 14:20 CST		0	

A large low pressure system moved into the region and continued to deepen as it moved across Minnesota, becoming one of the most intense storms on record in the Midwest on October 26-27, 2010. Very high gradient winds raked much of the Midwest with wind gusts of 50 to 60 mph. Iowa City and Dubuque reported wind gusts to 60 mph. In Davenport, the strong winds brought down a utility pole and power lines.

(IA-Z040) BUCHANAN, (IA-Z064) JOHNSON	10/27/10 10:35 CST		0	High Wind (MAX 52 kt)
	10/27/10 18:13 CST		0	

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MISSOURI, Northeast

CLARK COUNTY --- 0.3 NE GREGORY LNDG [40.28, -91.50], 0.7 ENE GREGORY LNDG [40.28, -91.49], 1.6 SSE GREGORY LNDG [40.26, -91.48], 1.3 SSE GREGORY LNDG [40.26, -91.49], 0.5 S GREGORY LNDG [40.27, -91.50]				
	10/05/10 01:20 CST		0	Flood (due to Heavy Rain)
	10/12/10 18:10 CST		0	Source: River/Stream Gage

The river rose above flood stage at Gregory Landing on October 5 at 120 am cst and fell below flood stage on October 12 at 610 pm cst. Minor flooding occurred with the crest reaching 15.94 feet on October 8 at 130 pm cst. Flood stage is 15 feet.

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